

Ship West - David S / Mike O

Work Order ID 121420

121420

Page 1

Thursday, June 26, 2014 2:59:16 PM

Item ID: D4882-042

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: 206A/B Leg Assembly

Start Date: 6/26/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/26/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 1406-27 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4882

B

110

0.00

110

Small Fab

Memo

0.00

Small Fab

ALIGN PILOT HOLES IN D4882-1 WITH PILOT HOLES IN D4883-3 AND
D4884-1. DRILL OUT EACH HOLES USING A PILOTED DRILL AS PER
DWG.
REAM EACH HOLES USING REAMER, USING DART TOOL SETUP
DT9975 AS PER DWG.

1 FF 14-09-08

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

0.00

Quality Control

1 DAS 38 14-9-8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td style="width: 33%;"> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </td> <td style="width: 33%;"> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </td> <td style="width: 33%;"> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </td> <td style="width: 33%;"> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </td> </tr> </table>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>
Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>			

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
--	--	---	--

Work Order ID 121420

121420

Page 2

Thursday, June 26, 2014 2:59:16 PM

Item ID: D4882-042 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: 206A/B Leg Assembly
Start Date: 6/26/14 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 6/26/14 Req'd Qty: 1.00 *1* Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Small Fab	Memo	0.00							
Small Fab	INSTALL PIN/COLLAR AND END FITTING WITH HYSOL WHILE STILL WET AS PER DWG USE DT9975 A/R HYSOL BATCH: <u>7128774</u>								
140	QC5- Inspect part completeness to step on W/O	0.00							
140									
QC	Memo	0.00							
Quality Control									
150	Outsource process - Laser Marking	0.00							
150									
Outsource9	Memo	0.00							
Outsource process - Laser Marking	ISSUE P/O : _____ OUTSOURCE VENDOR: P&L PRINTING ENGRAVE P# AS PER DWG C OF C IS REQUIRED								

Send for
part under
after rework
from test fit
u

UAS
38
9-89 14-9-8

NER

DQA:

Date: 14/12/11



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: 8/09/11

Date: 14/12/19

Work Order update only ☐

Work Order: 121420	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input checked="" type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS			
Part No. D4882-042		Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input checked="" type="checkbox"/>
NCR No. 144413		Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>
		Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input checked="" type="checkbox"/>	Other <input checked="" type="checkbox"/>
		Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	14/09/18	150	1	PART NOT IDENTIFIED	ND	ENGINEERING TO APPROVE	for	for	for
Doc/Data				ACCORDING TO	14/9/18	DEVIATION DUE TO			
Equip/Tooling				NOTE 6 PER QS1		SUPPLIER NOT			
Handling/Pre				044 CHAPTER 6.8		RECEIVING CORRECT			
Material				PART IDENTIFIED		INFORMATION ON			
Operator				ACCORDING TO		MARKINGS.			
Offset/Setup				6.1 OF QS1044					
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input checked="" type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input checked="" type="checkbox"/> Other
--	--	--	--	---

TIME CONSTRAINTS
IDENTIFICATION PROCESS

Work Order ID 121420

121420

Page 3

Thursday, June 26, 2014 2:59:16 PM

Item ID: D4882-042 Accept *N900040100* Setup Start *NS1*

Revision ID: Stop *NS2*

Item Name: 206A/B Leg Assembly

Start Date: 6/26/14 Start Qty: 1.00 *1*

Required Date: 6/26/14 Req'd Qty: 1.00 *1*

Reference: Cust Item ID: Customer:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	Receive & Inspect for Damage & Mat'l Certs	0.00							

160

Packaging	Memo	0.00							
Packaging									

170	QC5- Inspect part completeness to step on W/O	0.00							DAS 38 9-89
170									14-9-9
QC	Memo	0.00							

Quality Control

180	Identify as per dwg & Stock Location: _____	0.00							
180									
Packaging	Memo	0.00							

Packaging

PPP 121367

1x 14-9-9

DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
--	--	---	--

Work Order ID 121420***121420***

Page 4

Thursday, June 26, 2014 2:59:16 PM

Item ID: D4882-042 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 206A/B Leg Assembly
Start Date: 6/26/14 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 6/26/14 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190	QC21- Final Inspection - Work Order Release	0.00							
100									
QC	Memo	0.00							
Quality Control									

_____ MCS 1409-10
_____ WMF
_____ 14-9-8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
--	--	---

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
--	--	---	--

Picklist Print

Thursday, June 26, 2014 2:59:16 PM

Page 1

Work Order ID: 121420

121420

Parent Item: D4882-042

D4882-042

Parent Item Name: 206A/B Leg Assembly

Start Date: 6/26/14

Required Date: 6/26/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 14.06.23 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D4882-1		Manufactured	No				Each	3.0000		**	1	FF 14-09-08	14-09-08
D4882-1													
Strut													

Location	Loc Qty	Loc Code
----------	---------	----------

ST125	3	
117343	3	
	Each	0.0000

D4883-3		Manufactured	No							**	1	FF 14-09-08	14-09-08
D4883-3													
End Fitting													

D4884-1		Manufactured	No				Each	8.0000		**	1	FF 14-09-08	14-09-08
D4884-1													
End Fitting, Eye													

Location	Loc Qty	Loc Code
----------	---------	----------

ST125	8	
117346	8	
	Each	180.0000

HL20PB5-12		Purchased	No							**	4	FF 14-09-08	14-09-08
HL20PB5-12													
Rivet													

Location	Loc Qty	Loc Code
----------	---------	----------

ST265	129912	180
M128110		38
M128973		142

HL32PBS-12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>
--	--	---

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
--	--	---	--

Picklist Print

Page 2

Thursday, June 26, 2014 2:59:16 PM

Work Order ID: 121420

121420

Parent Item: D4882-042

D4882-042

Parent Item Name: 206A/B Leg Assembly

Start Date: 6/26/14

Required Date: 6/26/14

Start Qty: 1.00

Required Qty: 1.00

HL86-5

Purchased

No

Each

241.0000

HI 86-5

12

FF 14-09-08

Collar

Location

Loc Qty

Loc Code

ST263

129864

241

M128110

12

M128228

29

M129022

200

4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
--	--	---	--

Linda Lacelle

From: David Shepherd
Sent: September-08-14 5:29 PM
To: Linda Lacelle
Subject: RE: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Linda,

That would be fine with me. We should be getting this kit back eventually and should be able to sell it as an airworthy kit. Perhaps we could get the laser marking done at that time?

Regards,
David

From: Linda Lacelle
Sent: September-08-14 11:29 AM
To: David Shepherd
Subject: RE: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Hi David,
The last part will be ready tomorrow, it's going to be tight if I send it for part marking. Can we just mark this one part with a marker, since it is for testing??

LL

From: David Shepherd
Sent: September-07-14 10:57 PM
To: Linda Lacelle
Subject: RE: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Good News ... Thanks Linda

Regards,
David

From: Linda Lacelle
Sent: September-05-14 7:25 AM

To: David Shepherd; Bill Beckett; Nigel Forbes; Jean-Luc Menard
Cc: Peggy McDonald; Steve Ghaleb; Alain Madore; Mike Petsche; Harvey Siemens
Subject: RE: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Will be ready for shipping on wed, Sept. 10th.

LL

From: David Shepherd
Sent: September-04-14 10:19 PM
To: Bill Beckett; Nigel Forbes; Linda Lacelle; Jean-Luc Menard
Cc: Peggy McDonald; Steve Ghaleb; Alain Madore; Mike Petsche; Harvey Siemens
Subject: FW: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Bill/Nigel/Linda/JL,

Just a heads up ... I've been in communication with the NYACO this week regarding the FAA STC for the 206/407 Engine Mounts. I don't have a copy, but per the email below, the STC was issued TODAY. Therefore, its ON LIKE DONKEY KONG with regards to supplying 206/407 Engine Mount kits to FAA customers!

Furthermore, got a call from MO late today and it looks like he has found an aircraft to test fit the D206-811-013 kit that will be of interest to Ft Rucker. We will be discussing the details on Monday, but we should think about having a D206-811-013 READY TO SHIP by the middle of next week.

Regards,
David

From: Ray.Reinhardt@faa.gov [mailto:Ray.Reinhardt@faa.gov]
Sent: September-04-14 4:42 PM
To: David Shepherd
Subject: RE: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Hi Dave:

Yes it was issued today. Should be receiving it in the mail shortly.

Ray Reinhardt
NYACO Program Manager
516-228-7332
ray.reinhardt@faa.gov

From: David Shepherd [mailto:dshepherd@dartaero.com]
Sent: Thursday, September 04, 2014 4:06 PM
To: Reinhardt, Ray (FAA)
Subject: RE: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Hi Ray,

Just getting towards the end of the day ... Yesterday, you thought this STC would get issued today ... Any news?

Regards,
David

From: David Shepherd
Sent: September-02-14 1:35 PM
To: 'Ray.Reinhardt@faa.gov'
Subject: FW: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Hi Ray,

Hope all is well ... Just doing some follow up ... Any news on the attached validation request?

Regards,
David

From: Morris-Wales, Scott [mailto:scott.morris-wales@tc.gc.ca]
Sent: July-08-14 12:36 PM
To: David Shepherd
Subject: C-14-0631 - Replacement Engine Mount - FAA Valadation of STC SH14-17

Hey David,

Attached is a copy of the Letter I sent to the FAA with the Data.

Best regards,

Scott W. Wales

Transport Canada / Transports Canada
Senior Engineer, Aircraft Certification / Ingenier principal, Certification des Aeronefs
Civil Aviation / RL'Aviation Civile
Prairie & Northern Region / Région des Prairies et du Nord - RARI
Calgary Operations / Calgary opérations

Mike Petsche

From: David Shepherd
Sent: Thursday, September 18, 2014 1:44 PM
To: Mike Petsche
Subject: FW: engine mount RLC need form 1

Regards,
David

From: Patrick Smith
Sent: September-17-14 3:02 PM
To: David Shepherd; Lisa McMachen; Bill Beckett
Cc: Jennifer Renwick; Peggy McDonald; Linda Lacelle; Sian Willems
Subject: RE: engine mount RLC need form 1

Lesson learned, had I known the condition of the product(no laser marking) I could have informed Bill and MO of this issue last week when I was asked if the documents were correct and the customer could keep the parts. As it was, the parts left with a "New" ARC without having a deviation signed off by engineering.

Please cc me when these issues arise in the future.

Thanks,

Pat

From: David Shepherd
Sent: September-17-14 1:06 PM
To: Patrick Smith; Lisa McMachen
Cc: Jennifer Renwick; Peggy McDonald; Linda Lacelle; Sian Willems
Subject: Re: engine mount RLC need form 1

Pat,

That's not going to work. I will sign this off as a deviation for this one kit.

David

From: Patrick Smith
Sent: Wednesday, September 17, 2014 12:54 PM
To: Lisa McMachen
Cc: David Shepherd; Jennifer Renwick; Peggy McDonald; Linda Lacelle; Sian Willems
Subject: RE: engine mount RLC need form 1

Lisa,

The parts must be returned for laser marking once the customer has completed his trial fitting. They don't conform to the released drawings.

Pat

From: Lisa McMachen
Sent: September-17-14 12:40 PM
To: Patrick Smith
Cc: David Shepherd; Jennifer Renwick; Peggy McDonald; Linda Lacelle; Sian Willems
Subject: RE: engine mount RLC need form 1

Hey Pat,
D4882-042 was to be sent out for part marking once it was returned back. Please see the attached communication from Linda L. Does it matter that the part is not marked as far as quality is concerned?

Thanks,
Lisa McMachen

From: Jennifer Renwick
Sent: Wednesday, September 17, 2014 10:30 AM
To: Patrick Smith; Sian Willems; Lisa McMachen
Cc: David Shepherd
Subject: RE: engine mount RLC need form 1

RMA has been cancelled and closed.

From: Patrick Smith
Sent: September 17, 2014 10:20 AM
To: Sian Willems; Jennifer Renwick; Lisa McMachen
Cc: David Shepherd
Subject: RE: engine mount RLC need form 1

I verified this for Bill and MO last week and it has a Form one "NEW".

Pat

From: Sian Willems
Sent: September-17-14 9:51 AM
To: Jennifer Renwick; Lisa McMachen
Cc: David Shepherd; Patrick Smith
Subject: engine mount RLC need form 1

Hiya,

Can you please check if a Form 1 was sent to RLC with their D206-811-013 B121367? They were supposed to test fit for us but MO made a deal that they could keep them if the parts were good. So now they needs certs if none were provided with the shipment.

If we need to provide, can you please coordinate with Pat to have this produced. Can you please also communicate with John Gilley to advise that we'll be sending the Form 1 to his attention.

Also, please cancel RA111882; the parts will not be returning.

Thanks
Siân